BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Name Of Work :-Operation and Maintenance of Park Lighting System in Ward No.3 & 4 Package Y-12 of Yelahanka Zone.

Sl. No	Qty	Description Of Work	Unit	Approved Rates	
				In figures	In words
1	1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. i) Poles with 36/40 W fluorescent tube light street lighting system.	Each	315.00	Rupees Three Hundred Fifteen Only
2	601	Poles with 125 W MV light Park lighting system.	Each	665.00	Rupees Six Hundred Sixty Five Only
3	99	Poles with 250W HPMH light street lighting system.	Each	1100.00	Rupees One Thousand One Hundred Only
4	16	Poles with 400 watts HPSV light street lighting system.	Each	1100.00	Rupees One Thousand One Hundred Only
5	100	Poles with 24 W LED light street lighting system.	Each	880.00	Rupees Eight Hundred Eighty Only
6	1	Poles with 65 W LED light street lighting system.	Each	1147.00	Rupees One Thousand One Hundred Forty Seven Only
7	10	Poles with 90 W LED light street lighting system.	Each	1300.00	Rupees One Thousand Three Hundred Only
8	950	B. Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer. Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole.a)5 mtr pole	Each	405.00	Rupees Four Hundred Five Only
9	99	c) 8 Mtr and above street light pole	Each	415.00	Rupees Four Hundred Fifteen Only
10	25	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M.S. Box with proper insulation etc., complete.	Each	1300.00	Rupees One Thousand Three Hundred Only
11	13	Moulded Case Circuit Breaker (MCCB) Three Pole 100Amps 25kA	Each	2718.00	Rupees Two Thousand Seven Hundred Eighteen Only

For SWAMY ELECTRICALS

Proprietor

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12	10	4 Pole Power Contactor with NO/NC Contactor 100-125Amps	Each	4320.00	Rupees Four Thousand Three Hundred Twenty Only
13	25	Miniature Circuit Breakers. 40 Amps SP	Each	185.00	Rupees One Hundred Eighty Five Only
14	200	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs	115.00	Rupees One Hundred Fifteen Only
15	200	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs	10.00	Rupees Ten Only
16	149	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc..complete.	Mtrs	45.00	Rupees Forty Five Only
17	6	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Each	4200.00	Rupees Four Thousand Two Hundred Only
18	365	Providing servicess of Electrician With tools . Rs.14021.27/Month/person, Rs.14021.27÷26Days=539.27/Day/Person, Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017 for maintenance of Fountain	ManDays	540.00	Rupees Five Hundred Forty Only
19	300	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm	Mtrs	25.00	Rupees Twenty Five Only
20	10	Transporting and erecting of 3.5 Mtrs long Swged Tubelor park poles including Digging of pit 45x45x100cms & providing 1:2:4 concrete of size 35x35x130 cms Including coping as per the detaild enclosed civil estimate & drawimg	Nos	850.00	Rupees Eight Hundred Fifty Only
21	17	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Powerconsumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.KPWD ELE SR Page-66/12.8 LED Streetlight 90 Watts	Each	7160.00	Rupees Seven Thousand One Hundred Sixty Only

I am prepared to take up the above work at rates quoted in the Schedule 'B'

Contractor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone

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Proprietor